

In the Claims

Please replace all prior versions, and listings, of claims in the application with the following list of claims.

1-47. (Cancelled)

48. (Previously presented) A system for tracking exercise completed by a user, comprising:

- a. a portable piece of exercise equipment;
- b. a device adapted to communicate a unique identification signal, the identification signal correlated to a particular user of the exercise equipment;
- c. an in-use sensor mounted to each portable piece of equipment, the in-use sensor having an output; and
- d. a controller mounted to each portable piece of equipment and responsive to the identification signal and the output of the in-use sensor, wherein the controller is adapted to record[[s]] the use of the exercise equipment associated with the user identification signal and discern an exercise pattern of the portable piece of equipment being used by the user.

49.-51. (Cancelled)

52. (Previously presented) The system of claim 48, wherein the in-use sensor comprises an accelerometer.

53. (Previously presented) The system of claim 48, wherein the in-use sensor comprises multiple accelerometers.

54. (Previously presented) The system of claim 48, wherein the in-use sensor comprises accelerometers adapted to sense acceleration along different axes.

55. (Previously presented) The system of claim 48, wherein the in-use sensor comprises an inclinometer.

56. (Previously presented) The system of claim 48, wherein the in-use sensor comprises a position sensor.

57. (Previously presented) The system of claim 48, wherein the in-use sensor comprises a contact sensor.

58. (Previously presented) The system of claim 1, wherein the portable piece of exercise equipment comprises a hand-held weight.

59. (Previously presented) The system of claim 48, wherein the controller stores the type of exercise done in a storage device.

60. (Previously presented) The system of claim 59, wherein the controller stores the type of exercise correlated with a particular user.

61. (Previously presented) The system of claim 48, wherein the controller is responsive to the output of the in-use sensor such that a counter of the controller counts the repetitions of the use of the portable piece of exercise equipment.

62. (Previously presented) The system of claim 61, further comprising:
a re-set button in communication with the counter.

63. (Previously presented) The system of claim 61, further comprising:
a count indicator device.

64. (Previously presented) The system of claim 61, further comprising:
a count transmitter adapted to transmit the number of repetitions to a central processor.

65. (Previously presented) The system of claim 64, wherein the number of repetitions transmitted to the central processor is stored in a database of equipment use in a storage medium.
66. (Previously presented) The system of claim 65, wherein the central processor associates the unique user identification signal with each stored count of the portable piece of exercise equipment.
67. (Previously presented) The system of claim 48, further comprising:
a wireless tag adapted to communicate the unique user identification signal.
68. (Previously presented) The system of claim 67, wherein the wireless tag is embedded in a workout glove.
69. (Previously presented) The system of claim 67, wherein the wireless tag is embedded in a weight belt.
70. (Previously presented) The system of claim 48, further comprising:
e. an indicator mounted to the portable piece of exercise equipment;
f. a transmitter adapted to send an actuation signal and remotely located from the portable piece of exercise equipment;
g. a receiver assembly mounted to the portable piece of exercise equipment, the receiver assembly responsive to the actuation signal and having receiver output;
wherein the controller is responsive to the receiver output of the receiver assembly such that the indicator is initiated when the receiver assembly receives the actuation signal.
71. (Previously presented) The system of claim 70, wherein the indicator includes a light.
72. (Previously presented) The system of claim 71, wherein the light includes at least one light emitting diode.

73. (Previously presented) The system of claim 72, wherein the at least one light emitting diode includes a plurality of light emitting diodes mounted within a clear sheath, the sheath mounted to a surface of the exercise device.

74. (Previously presented) The system of claim 73, wherein the sheath is mounted to a hand grip of the exercise device.

75. (Previously presented) The system of claim 71, wherein the indicator remains initiated for a predetermined period of time after the indicator is initiated.

76. (Previously presented) The system of claim 75, wherein the light, having an intensity, is initiated to have a low intensity, the intensity increasing over the predetermined period of time.

77. (Previously presented) The system of claim 75, wherein the controller deactivates the receiver assembly while the indicator is initiated.

78. (Previously presented) The system of claim 48, further comprising:
a power unit mounted to the portable piece of exercise equipment and electrically coupled to the in-use sensor and the controller.

79. (Previously presented) The system of claim 78, wherein the power unit is at least one battery.

80. (Previously presented) The system of claim 79, wherein the at least one battery is rechargeable.

81. (Previously presented) The system of claim 80, wherein the power unit further comprises at least one contact ring mounted to a periphery of the portable piece of exercise equipment and adapted to contact a recharging unit.

82. (Previously presented) The system of claim 81, further comprising:

a storage rack having a storage mount for storing the portable piece of exercise equipment, wherein the recharging unit is mounted to the storage rack in the storage mount.

83. (Previously presented) The system of claim 82, wherein the at least one contact ring includes two pairs of contact rings, each pair of contact rings including a positive contact ring and a negative contact ring, each pair of contact rings being symmetrically mounted on opposite sides of the portable piece of exercise equipment, the recharging unit adapted to contact only one positive and negative contact ring pair at a time.

84. (Previously presented) The system of claim 81, wherein the recharging unit includes a spring mounted positive contact and a spring mounted negative contact adapted to electrically communicate with the rechargeable power unit when the spring mount is depressed by a determined mass weight.

85. (Previously presented) The system of claim 48, wherein the portable piece of exercise equipment is a plurality of pieces of exercise equipment and the output signal also comprises a unique identifier correlated to an individual portable piece of exercise equipment within the plurality of pieces of exercise equipment.

86. (Previously presented) The system of claim 48, wherein the exercise pattern is a curl.

87. (Previously presented) The system of claim 48, wherein the exercise pattern is a press.

88. (Previously presented) The system of claim 48, wherein the controller is adapted to discern multiple exercise patterns.

89. (Previously presented) The system of claim 88, wherein the multiple exercise patterns include curls and presses.

90. (Previously presented) A method of tracking exercise completed by a user, the method comprising:

communicating a unique identification signal to a controller, the identification signal correlated to a particular user of a portable piece of exercise equipment;

communicating an output from an in-use sensor mounted to the portable piece of equipment to the controller;

recording with the controller the use of the exercise equipment associated with the user identification signal; and

discerning with the controller an exercise pattern of the portable piece of equipment being used by the user.

91. (Previously presented) The method of claim 90, further comprising:
storing the type of exercise done in a storage device.

92. (Previously presented) The method of claim 91, wherein the controller stores the type of exercise correlated with a particular user.

93. (Previously presented) The method of claim 90, further comprising:
counting repetitions of the use of the portable piece of exercise equipment.

94. (Previously presented) The method of claim 90, wherein the unique user identification signal is communicated from a tag worn by the user.

95. (Previously presented) The method of claim 90, further comprising:
transmitting an actuation signal to the portable piece of exercise equipment from a remote location;

receiving the actuation signal with a receiver assembly mounted to the portable piece of exercise equipment; and

outputting an output signal with an indicator mounted on the portable piece of exercise equipment.

96. (Currently amended) The method of claim 90, wherein discerning an exercise pattern comprises discerning an exercise pattern associated with a press.

97. (Currently amended) The method of claim 90, wherein discerning an exercise pattern comprises discerning an exercise pattern associated with a curl.